Cost EstimateModified Preferred Remedial Action Alternative

Mobilization/Demobilization	Item	Unit	Unit Cost	No. of Units	Total Cost
- Cap - Hydraulic Dredge and Pipeline Transfer to G-P ASB - CY - S15.0 - A42.800 - S22.800,000 - Hydraulic Dredge and Pipeline Transfer to G-P ASB - CY - S15.0 - S15.	Mobilization/Demobilization	PERCENT			\$633,000
- Cap - Hydraulic Dredge and Pipeline Transfer to G-P ASB - CY - S15.0 - A42.800 - S22.800,000 - Hydraulic Dredge and Pipeline Transfer to G-P ASB - CY - S15.0 - S15.	Outer/Mid Whatcom Waterway - SSU 1				
Head of Whatcom Waterway (30' Channel) - SSU 2	=	CY	\$15.0	42,800	\$642,000
- Cap	- Hydraulic Dredge and Pipeline Transfer to G-P ASB	CY	\$4.0	570,000	\$2,280,000
Hydraulic Dredge and Pipeline Transfer to G-P ASB	Head of Whatcom Waterway (30' Channel) - SSU 2				
Head of Whatcom Waterway (18' Channel) - SSU 3 - Cap	·				
- Cap	- Hydraulic Dredge and Pipeline Transfer to G-P ASB	CY	\$4.0	80,000	\$320,000
- Hydraulic Dredge and Pipeline Transfer to G-P ASB CY \$4.0 40,000 \$160,000 G-P Log Pond - SSU 4 - Maintain existing Interim Action cap	Head of Whatcom Waterway (18' Channel) - SSU 3				
### Comparison of Contingency ### Contingency #### Contingency ###################################	•				·
- Maintain existing Interim Action cap G-P ASB - SSU 5 - Cap	- Hydraulic Dredge and Pipeline Transfer to G-P ASB	СУ	\$4.0	40,000	\$160,000
G-P ASB - SSU 5 - Cap	G-P Log Pond - SSU 4				
Cap	- Maintain existing Interim Action cap	-	-	-	-
- Hydraulic Dredge and Pipeline Transfer to G-P ASB CY \$4.0 10,000 \$40,000 Port Log Rafting Area - SSU 6 - Cap CY \$15.0 48,700 \$731,000 - Hydraulic Dredge and Pipeline Transfer to G-P ASB CY \$4.0 60,000 \$240,000 Starr Rock - SSU 7 - Cap CY \$15.0 145,900 \$2,189,000 I&J Street Waterway - SSU 8 - No Action CY \$15.0 58,000 \$870,000 Cornwall Landfill - Cap CY \$15.0 58,000 \$870,000 Disposal - G-P ASB Upland CDF - Internal sheet pilling wall to separate disposal area from ASB LF \$2,400 1,000 \$2,400,000 - Silt curtains LS \$150,000 1 \$150,000 - Structural cap CY \$22.0 140,000 \$3,080,000 Engineering Design PERCENT 10% \$15,813,000 \$791,000 Construction Monitoring/Management PERCENT 5% \$15,813,000 \$791,000 Long-term Monitoring PERCENT 30% \$19,318,000 \$5,795,000	G-P ASB - SSU 5				
Port Log Rafting Area - SSU 6 - Cap CY \$15.0 48,700 \$731,000 - Hydraulic Dredge and Pipeline Transfer to G-P ASB CY \$4.0 60,000 \$240,000 Starr Rock - SSU 7 - Cap CY \$15.0 145,900 \$2,189,000 I&J Street Waterway - SSU 8 - No Action -	·				
- Cap	- Hydraulic Dredge and Pipeline Transfer to G-P ASB	СУ	\$4.0	10,000	\$40,000
- Hydraulic Dredge and Pipeline Transfer to G-P ASB CY \$4.0 60,000 \$240,000 Starr Rock - SSU 7 - Cap CY \$15.0 145,900 \$2,189,000 I&J Street Waterway - SSU 8 - No Action Cornwall Landfill -Cap CY \$15.0 58,000 \$870,000 Disposal - G-P ASB Upland CDF - Internal sheet piling wall to separate disposal area from ASB LS \$150,000 1 \$150,000 - Situ curtains - Structural cap CY \$2.0 140,000 \$3,080,000 Engineering Design PERCENT 10% \$15,813,000 \$1,581,000 Construction Monitoring/Management PERCENT 5% \$15,813,000 \$791,000 Long-term Monitoring COntingency PERCENT 30% \$19,318,000 \$5,795,000	Port Log Rafting Area - SSU 6				
Starr Rock - SSU 7 CY \$15.0 145,900 \$2,189,000 I&J Street Waterway - SSU 8 CY \$15.0 145,900 \$2,189,000 Cornwall Landfill CY \$15.0 58,000 \$870,000 Disposal - G-P ASB Upland CDF CY \$15.0 58,000 \$2,400,000 - Internal sheet piling wall to separate disposal area from ASB LF \$2,400 \$1,000 \$2,400,000 - Silt curtains LS \$150,000 1 \$150,000 - Structural cap CY \$22.0 \$140,000 \$3,080,000 Engineering Design PERCENT 10% \$15,813,000 \$17,581,000 Construction Monitoring/Management PERCENT 5% \$15,813,000 \$791,000 Long-term Monitoring LS \$500,000 1 \$500,000 Contingency PERCENT 30% \$19,318,000 \$5,795,000	•				·
Cap	- Hydraulic Dredge and Pipeline Transfer to G-P ASB	СУ	\$4.0	60,000	\$240,000
I&J Street Waterway - SSU 8 - No Action - Cornwall Landfill -Cap CY \$15.0 58,000 \$870,000 Disposal - G-P ASB Upland CDF - Internal sheet piling wall to separate disposal area from ASB LF \$2,400 1,000 \$2,400,000 - Silt curtains LS \$150,000 1 \$150,000 - Structural cap CY \$22.0 140,000 \$3,080,000 Engineering Design PERCENT 10% \$15,813,000 \$1,581,000 Construction Monitoring/Management PERCENT 5% \$15,813,000 \$791,000 Long-term Monitoring LS \$500,000 1 \$500,000 Contingency PERCENT 30% \$19,318,000 \$5,795,000	Starr Rock - SSU 7				
- No Action	- Cap	CY	\$15.0	145,900	\$2,189,000
Cornwall Landfill -Cap CY \$15.0 58,000 \$870,000 Disposal - G-P ASB Upland CDF - Internal sheet piling wall to separate disposal area from ASB - Silt curtains - Silt curtains - Structural cap LF	I&J Street Waterway - SSU 8				
Cap CY \$15.0 58,000 \$870,000 Disposal - G-P ASB Upland CDF - Internal sheet piling wall to separate disposal area from ASB - Silt curtains - Silt curtains - Structural cap LF	- No Action	-	-	-	-
Disposal - G-P ASB Upland CDF - Internal sheet piling wall to separate disposal area from ASB Silt curtains LF \$2,400 \$1,000 \$2,400,000 - Silt curtains LS \$150,000 \$1 \$150,000 - Structural cap CY \$22.0 \$140,000 \$3,080,000 Engineering Design PERCENT \$10% \$15,813,000 \$1,581,000 Construction Monitoring/Management PERCENT \$5% \$15,813,000 \$791,000 Long-term Monitoring LS \$500,000 \$1 \$500,000 Contingency PERCENT \$30% \$19,318,000 \$5,795,000	Cornwall Landfill				
- Internal sheet piling wall to separate disposal area from ASB	-Сар	CY	\$15.0	58,000	\$870,000
- Silt curtains	Disposal - G-P ASB Upland CDF				
- Structural cap CY \$22.0 140,000 \$3,080,000 Engineering Design PERCENT 10% \$15,813,000 \$1,581,000 Construction Monitoring/Management PERCENT 5% \$15,813,000 \$791,000 Long-term Monitoring LS \$500,000 1 \$500,000 Contingency PERCENT 30% \$19,318,000 \$5,795,000				1,000	
Engineering Design PERCENT 10% \$15,813,000 \$1,581,000 Construction Monitoring/Management PERCENT 5% \$15,813,000 \$791,000 Long-term Monitoring LS \$500,000 1 \$500,000 Contingency PERCENT 30% \$19,318,000 \$5,795,000			\$150,000		•
Construction Monitoring/Management PERCENT 5% \$15,813,000 \$791,000 Long-term Monitoring LS \$500,000 1 \$500,000 Contingency PERCENT 30% \$19,318,000 \$5,795,000	- Structural cap	CY	\$22.0	140,000	\$3,080,000
Long-term Monitoring LS \$500,000 1 \$500,000 Contingency PERCENT 30% \$19,318,000 \$5,795,000	Engineering Design	PERCENT	10%	\$15,813,000	\$1,581,000
Contingency PERCENT 30% \$19,318,000 \$5,795,000	Construction Monitoring/Management	PERCENT	5%	\$15,813,000	\$791,000
	Long-term Monitoring	LS	\$500,000	1	\$500,000
	Contingency	PERCENT	30%	\$19,318,000	\$5,795,000
TOTAL ESTIMATED COST \$25,113,000	TOTAL ESTIMATED COST				\$25 112 000